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 NEWS PHONE     Direct Dial and Telecommunication Network Access to STN
 NEWS WWW       CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:59:57 ON 10 AUG 2005

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files.  For example, the EXPAND
command can only be used to look at the index in a file which has an
index.  Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:00:11 ON 10 AUG 2005
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STRUCTURE FILE UPDATES:     9 AUG 2005  HIGHEST RN 859282-03-4
DICTIONARY FILE UPDATES:    9 AUG 2005  HIGHEST RN 859282-03-4

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
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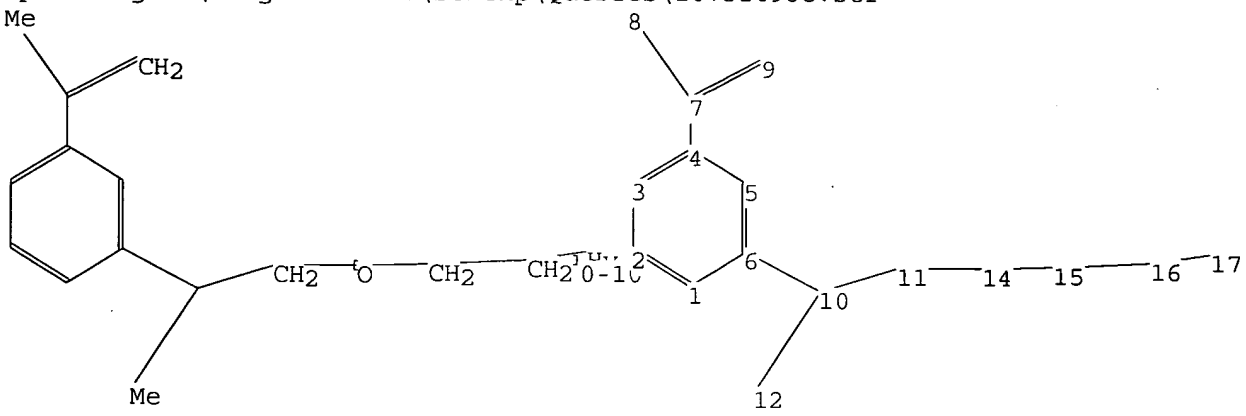
Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10731498c.str

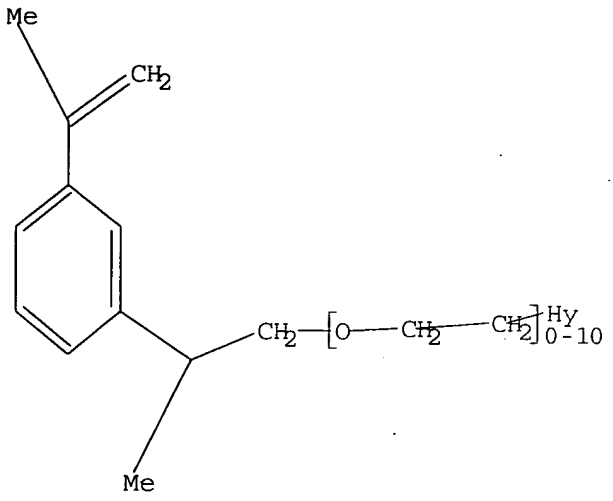


chain nodes :
7 8 9 10 11 12 14 15 16 17
ring nodes :
1 2 3 4 5 6
chain bonds :
4-7 6-10 7-8 7-9 10-11 10-12 11-14 14-15 15-16 16-17
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
16-17
exact bonds :
4-7 6-10 7-8 7-9 10-11 10-12 11-14 14-15 15-16
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom
Element Count :
Node 17: Unlimited
N,N1

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 11:00:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 357 TO ITERATE

100.0% PROCESSED 357 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6007 TO 8273
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 11:00:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7398 TO ITERATE

100.0% PROCESSED 7398 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

L3 9 SEA SSS FUL L1

=> FIL HCAPLUS
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	161.33	161.54

FILE 'HCAPLUS' ENTERED AT 11:00:37 ON 10 AUG 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 10 Aug 2005 VOL 143 ISS 7
FILE LAST UPDATED: 9 Aug 2005 (20050809/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

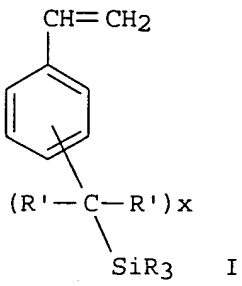
=> s l3
L4 7 L3

=> d l4 ibib abs hitstr tot

L4 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:269900 HCAPLUS
DOCUMENT NUMBER: 140:305217
TITLE: Functionalized styrene monomers for synthesis of rubbery polymers
INVENTOR(S): Halasa, Adel Farhan; Hsu, Wen-Liang
PATENT ASSIGNEE(S): The Goodyear Tire and Rubber Co., USA
SOURCE: U.S. Pat. Appl. Publ., 29 pp., Cont.-in-part of U.S. 6,693,160.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004063884	A1	20040401	US 2003-661914		20030912
US 6825306	B2	20041130			
US 6693160	B1	20040217	US 2003-384020		20030307
US 2004122224	A1	20040624	US 2003-731498		20031209
US 2004122194	A1	20040624	US 2003-731782		20031209
US 2005049377	A1	20050303	US 2004-894562		20040720
US 2005006014	A1	20050113	US 2004-916385		20040810
US 6901982	B2	20050607			
US 2005131181	A1	20050616	US 2005-43589		20050126
PRIORITY APPLN. INFO.:			US 2002-404081P	P	20020816
			US 2002-434892P	P	20021219
			US 2003-384020	A2	20030307
			US 2003-389131	A3	20030314
			US 2003-624188	A2	20030722
			US 2003-661914	A3	20030912

GI



I

AB The present invention relates to a rubbery polymer which is comprised of repeat units that are derived from (1) at least one conjugated diolefin monomer, and (2) at least one functionalized monomer I, wherein the R' groups in repeat units and in different repeat units can be the same or different and represent hydrogen atoms or alkyl groups containing from 1 to about 4 carbon atoms, wherein x represents an integer from 1 to about 10, and wherein the R groups in repeat units and in different repeat units can be the same or different and represent alkyl groups containing from 1 to about 10 carbon atoms or alkoxy groups containing from 1 to about 10 carbon atoms. Alternatively, the functionalized monomers can contain cyclic amine functional groups. (3/4)-(2-Pyrrolidinoethyl)styrene was prepared from divinylbenzene and pyrrolidone and polymerized with styrene and butadiene to give a rubber.

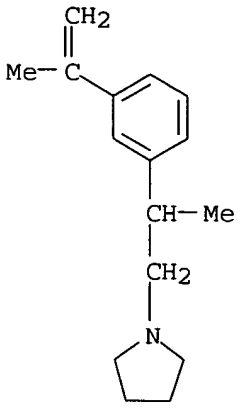
IT **676316-18-0P**
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(rubber; functionalized styrene monomers for synthesis of rubbery polymers)

RN 676316-18-0 HCAPLUS

CN Pyrrolidine, 1-[2-[3-(1-methylethenyl)phenyl]propyl]-, polymer with 1,3-butadiene and ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 174572-10-2
CMF C16 H23 N



CM 2

CRN 106-99-0
CMF C4 H6

$H_2C{=}CH{-}CH{=}CH_2$

CM 3

CRN 100-42-5
CMF C8 H8

$H_2C{=}CH{-}Ph$

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:171903 HCAPLUS
DOCUMENT NUMBER: 124:204665
TITLE: Elastomers and products having reduced hysteresis and their preparation
INVENTOR(S): Hall, James E.; Lawson, David F.; Antkowiak, Thomas A.
PATENT ASSIGNEE(S): Bridgestone Corp., Japan
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 693505	A1	19960124	EP 1995-110835	19950711
EP 693505	B1	19990506		

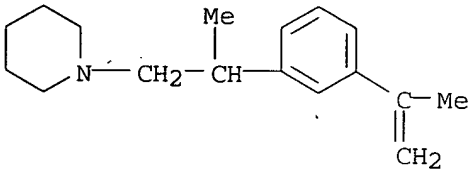
R: DE, ES, FR, GB, IT

ES 2132467	T3	19990816	ES 1995-110835	19950711
JP 08048707	A2	19960220	JP 1995-200556	19950713
CA 2153946	AA	19960119	CA 1995-2153946	19950714
PRIORITY APPLN. INFO.:			US 1994-276362 A	19940718

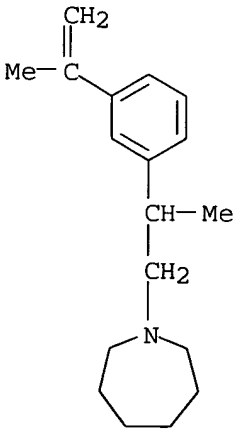
AB A process for title rubbers involves polymerizing 30-100% dienes and 0-70% vinyl aromatic compds. in aprotic solvents in the presence of anionic initiators prepared by reacting organic Li compds. with precursor functionalizing agents which are reaction product of heterocyclic secondary amines and diisopropenylbenzene derivs. A block SBR was prepared in the presence of 5.5 m-mol BuLi and 5.5 m-mol 2-(1-hexamethyleneimino)propyl-3-isopropenylbenzene (I; from hexamethyleneimine and disopropenylbenzene) and was compounded and vulcanized to form a product with tanδ of 0.108 at 50°, vs. 0.179 for a block SBR prepared without the I.

IT **57236-00-7P 174572-09-9P 174572-10-2P**
RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(organic lithium compds. and disopropenylbenzene/secondary cyclic amine products as initiators for preparation of diene rubbers with low hysteresis)

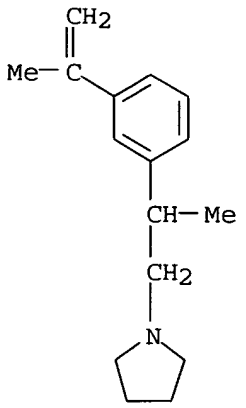
RN 57236-00-7 HCAPLUS
CN Piperidine, 1-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)



RN 174572-09-9 HCAPLUS
CN 1H-Azepine, hexahydro-1-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)



RN 174572-10-2 HCAPLUS
CN Pyrrolidine, 1-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)

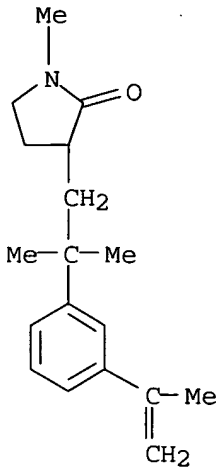


L4 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1981:104722 HCAPLUS
DOCUMENT NUMBER: 94:104722
TITLE: Solvent composition for polychloroprene rubber in the production of an adhesive
INVENTOR(S): Ovanesov, G. T.; Malkhasyan, A. Ts.; Petrosyan, L. I.; Sarkisyan, Z. G.; Sukiasyan, G. G.; Mirakyan, S. M.
PATENT ASSIGNEE(S): All-Union Scientific-Research and Design Institute of Polymeric Products, USSR; "Nairit" Scientific Industrial Enterprises
SOURCE: U.S.S.R. From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1980, (38), 144.
CODEN: URXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 771124	T	19801015	SU 1978-2676764	19781023
PRIORITY APPLN. INFO.:			SU 1978-2676764 A	19781023

AB The production time and viscosity are decreased for the title adhesive by addition of 0.1-0.7% 1-methyl-3-[2-methyl-2-(3-isopropenylphenyl)ethyl]-2-pyrrolidinone [**76663-38-2**] to the title solvent composition containing 39.7-59.9% EtOAc [141-78-6] and 40.0-59.6 % ligroine.

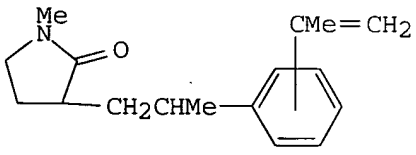
IT **76663-38-2**
RL: USES (Uses)
(solvent compns. containing, for neoprene rubber adhesives)
RN 76663-38-2 HCAPLUS
CN 2-Pyrrolidinone, 1-methyl-3-[2-methyl-2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	1977:5252 HCAPLUS
DOCUMENT NUMBER:	86:5252
TITLE:	Alkylation of N,N-diethylacetamide and N-methylpyrrolidinone with m- and p-diisopropenylbenzenes
AUTHOR(S):	Malkhasyan, A. Ts.; Sukiasyan, G. G.; Martirosyan, G. T.
CORPORATE SOURCE:	Vses. Nauchno-Issled. Proektn. Inst. Polim. Prod., Yerevan, USSR
SOURCE:	Armyanskii Khimicheskii Zhurnal (1976), 29(6), 537-8 CODEN: AYKZAN; ISSN: 0515-9628
DOCUMENT TYPE:	Journal
LANGUAGE:	Russian
OTHER SOURCE(S):	CASREACT 86:5252

GI



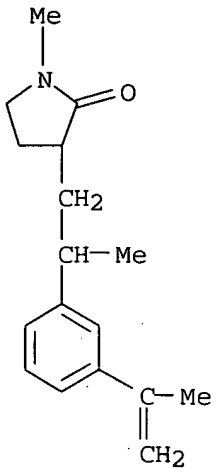
II

AB The title alkylation of AcNEt2 (I) in the presence of Na gave Et2NCOCH2CH2CHMeC6H4CMe:CH2 (m- or p-); m- or p-II were obtained by the similar alkylation of N-methylpyrrolidinone (III). P-C6H4(CMe:CH2)2 was a better alkylating agent than the meta isomer and III was alkylated easier than I. Reaction of I and III with m- or p-II gave the dialkylated products.

IT **61123-36-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

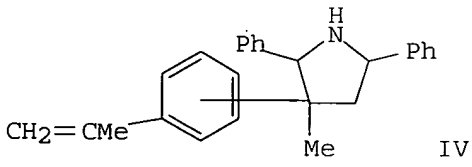
RN 61123-36-2 HCAPLUS

CN 2-Pyrrolidinone, 1-methyl-3-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)

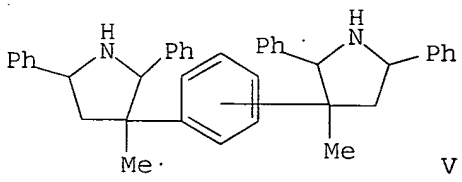


L4 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1976:559547 HCAPLUS
DOCUMENT NUMBER: 85:159547
TITLE: Reaction of m- and p-diisopropenylbenzenes with N-alkylimines
AUTHOR(S): Asratyan, L. V.; Malkhasyan, A. Ts.; Martirosyan, G. T.
CORPORATE SOURCE: Vses. Nauchno-Issled. Proektn. Inst. Polim. Prod., Yerevan, USSR
SOURCE: Armyanskii Khimicheskii Zhurnal (1976), 29(4), 318-22
CODEN: AYKZAN; ISSN: 0515-9628
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 85:159547
GI



IV



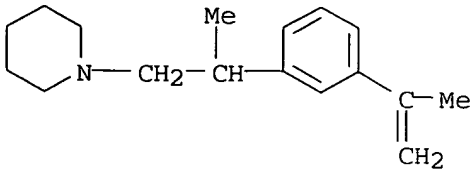
V

AB Reaction of m- and p-(CH2:CMe)2C6H4 (p-I) with Me2CHCH:NR (R = cyclohexyl) in the presence of Na gave a mixture of H2C:CMeC6H4CHMeCH2CMe2CH:NR (II) and (RN:CHCMe2CH2CHMe)2C6H4 (III), the amount of each being determined by the reaction conditions. Reaction of I with PhCH:NCH2Ph in the presence of Na gave a mixture of IV and V. Acid hydrolysis of II and III gave the corresponding aldehydes.

IT **57236-00-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 57236-00-7 HCAPLUS

CN Piperidine, 1-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)

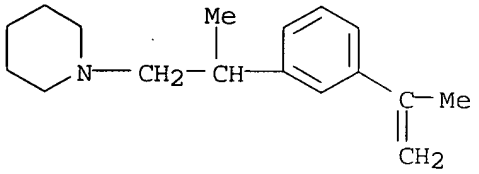


L4 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1976:16882 HCAPLUS
DOCUMENT NUMBER: 84:16882
TITLE: Amination and imination of m- and p-(β-dialkylaminoisopropyl)-α-methylstyrenes
AUTHOR(S): Asratyan, L. V.; Malkhasyan, A. Ts.; Kazaryan, A. Ts.; Martirosyan, G. T.
CORPORATE SOURCE: Vses. Nauchno-Issled. Proektn. Inst. Polim. Prod., Yerevan, USSR
SOURCE: Armyanskii Khimicheskii Zhurnal (1975), 28(8), 628-32
CODEN: AYKZAN; ISSN: 0515-9628
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 84:16882

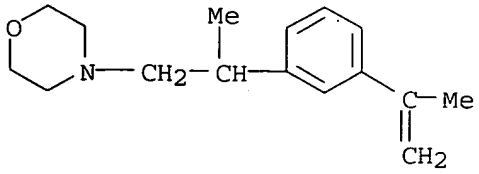
AB Reaction of 6 m- or p-R2NCH2CHMeC6H4CMe:CH2 (I; R = Et, R2N = morpholino, piperidino) with R12NH (R1 = Me, R12N = piperidino) in the presence of Na gave 71.9-87.4% m- or p-R2NCH2CHMeC6H4CHMeCH2NR12. Reaction of I (R = Et, R2N = morpholino) with Me2CHCH:NR2 (R2 = cyclohexyl) in the presence of Na gave R2NCH2CHMeC6H4CHMeCH2CMe2CH:NR2, which was hydrolyzed to give R2NCH2CHMeC6H4CHMeCH2CMe2CHO.

IT **57236-00-7 57236-04-1**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with secondary amines)

RN 57236-00-7 HCAPLUS
CN Piperidine, 1-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)



RN 57236-04-1 HCAPLUS
CN Morpholine, 4-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)

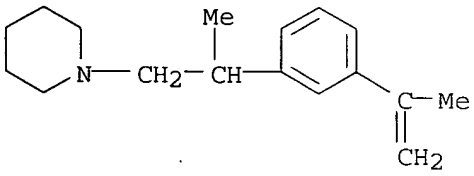


L4 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1975:592701 HCAPLUS
DOCUMENT NUMBER: 83:192701
TITLE: Amination of m- and p-diisopropenylbenzenes by secondary amines
AUTHOR(S): Asratyan, L. V.; Grigoryan, E. A.; Malkhasyan, A. Ts.; Martirosyan, G. T.
CORPORATE SOURCE: Vses. Nauchno-Issled. Inst. Polim. Prod., Yerevan, USSR
SOURCE: Armyanskii Khimicheskii Zhurnal (1975), 28(7), 551-4
CODEN: AYKZAN; ISSN: 0515-9628
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 83:192701

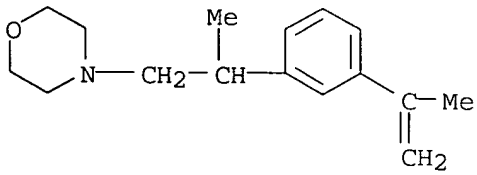
AB Amination of m- and p-H2C:CMeC6H4CMe:CH2 with R2NH[R2 = Me2, Et2, (CH2)5, (CH2)2O(CH2)2] gave m-, and p-H2C:CMeC6H4CHMeCH2NR2 or m-, and p-C6H4(CHMeCH2NR2)2; reaction conditions determined whether mono- or diamines were obtained.

IT **57236-00-7P 57236-04-1P 57236-14-3P**
57236-18-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 57236-00-7 HCAPLUS
CN Piperidine, 1-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)



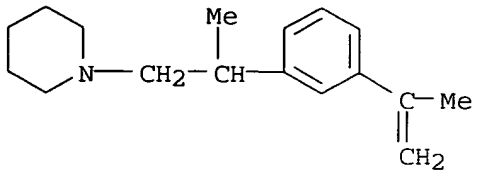
RN 57236-04-1 HCAPLUS
CN Morpholine, 4-[2-[3-(1-methylethenyl)phenyl]propyl]- (9CI) (CA INDEX NAME)



RN 57236-14-3 HCAPLUS
CN Piperidine, 1-[2-[3-(1-methylethenyl)phenyl]propyl]-, compd. with 2,4,6-trinitrophenol (9CI) (CA INDEX NAME)

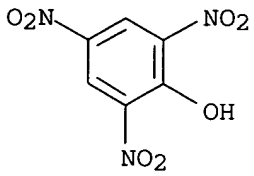
CM 1

CRN 57236-00-7
CMF C17 H25 N



CM 2

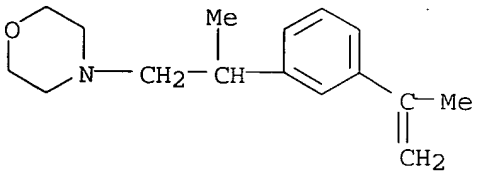
CRN 88-89-1
CMF C6 H3 N3 O7



RN 57236-18-7 HCAPLUS
CN Morpholine, 4-[2-[3-(1-methylethenyl)phenyl]propyl]-, compd. with 2,4,6-trinitrophenol (9CI) (CA INDEX NAME)

CM 1

CRN 57236-04-1
CMF C16 H23 N O



CM 2

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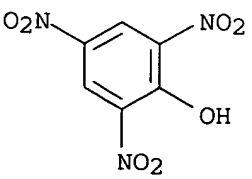
CMF C6 H3 N3 O7



=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	37.03	198.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.11	-5.11

STN INTERNATIONAL LOGOFF AT 11:00:54 ON 10 AUG 2005